

California State Lands Commission  
presents



An Onshore & Offshore Pollution Prevention  
Symposium & Technology Exhibition

September 25-26, 2018

The Westin Long Beach Hotel  
Long Beach, California

Commissioners

**Gavin Newsom**, Lieutenant Governor

**Betty T. Yee**, State Controller

**Michael Cohen**, Director of Finance

**Jennifer Lucchesi**, Executive Officer

**Chris Beckwith**, Chief, Marine Environmental Protection Division

**Marina Voskanian**, Chief, Mineral Resources Management Division

[www.preventionfirstsymposium.com](http://www.preventionfirstsymposium.com)

TECHNOLOGY EXHIBITION

HOURS  
Tuesday, September 25  
Open 8 AM to 7 PM

HOURS  
Wednesday, September 26  
Open 8 AM to 4 PM

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View the Prevention First 2018 Sponsorship Deck online:

[http://www.slc.ca.gov/About/Prevention\\_First/PF2018SponsorshipMaterials.pdf](http://www.slc.ca.gov/About/Prevention_First/PF2018SponsorshipMaterials.pdf)

For questions regarding sponsorship and exhibitor opportunities, contact  
Dennis Vogel at (562) 499-6312 or by email at [Dennis.Vogel@slc.ca.gov](mailto:Dennis.Vogel@slc.ca.gov).

Symposium Registration Fees

Early Bird Registration (by July 27) .....\$275

Late Registration (starting July 28 ) .....\$350

Registration fee includes two continental breakfasts, refreshments for  
AM/PM breaks, two lunches, an evening reception, and Symposium materials.

Register by credit card online:

<https://prevention-first-2018.eventbrite.com>

LODGING

Westin Long Beach

The Official Hotel for Prevention First 2018  
333 E. Ocean Boulevard, Long Beach, CA 90802

Attendees are responsible for making their own hotel reservations.

A limited number of rooms at the rate of \$185 plus tax for single or double occupancy  
have been reserved at the Westin Long Beach for conference attendees. Rooms  
at this rate are available from September 23 – September 27, 2018, depending on  
availability. The cut-off date for these rooms is 5:00 PM, Sunday, September 2, 2018.

Make your reservations online:

<https://www.starwoodmeeting.com/events/start.action?id=1710066660&key=14A03AD8>

PARKING

The Westin Long Beach is offering the following discounted parking rates for Prevention  
First attendees:

- Discounted day parking – self parking: \$14
- Discount day parking – valet: \$16
- Discounted overnight guest parking – self parking: \$24
- Overnight guest parking – valet: \$28

Bring your parking ticket to the event for validation.

TRAVEL AND GROUND TRANSPORTATION

Attendees are responsible for making their own travel and ground transportation  
arrangements.

Long Beach is accessible through many airports including Los Angeles International  
(LAX), Long Beach (LGB), and Orange County/John Wayne (SNA). There are numerous  
options for ground transportation.

GENERAL INFORMATION

For things to do in Long Beach, see the Long Beach Area Convention and Visitor's  
Bureau website: [www.visitlongbeach.com](http://www.visitlongbeach.com)

Updated event information is available on the Symposium's website:

[www.preventionfirstsymposium.com](http://www.preventionfirstsymposium.com)

The California State Lands Commission (CSLC) invites you to its thirteenth biennial conference,  
Prevention First 2018. Experts and professionals from academia, industry, and government  
from around the country will gather at this important event to share information and introduce  
concepts in pollution prevention with a focus on marine invasive species management, envi-  
ronmental protection, marine oil terminal engineering and maintenance standards, pipeline  
safety, risk analysis, many other areas involving maritime safety and pollution prevention.  
The accompanying Technology Exhibition will showcase over 40 exhibits relating to pollution  
prevention at marine terminals and offshore platforms, ballast water treatment, engineering,  
safety and security products, and associated services.

Tuesday, September 25	
8:00 – 9:00 AM	REGISTRATION AND CONTINENTAL BREAKFAST
9:00 – 10:00 AM	GENERAL SESSION AND WELCOMING REMARKS, SALON C & D — <b>Chris Beckwith</b> , Chief, Marine Environmental Protection Division, California State Lands Commission (CSLC) ♦ <b>Marina Voskanian</b> , Chief, Mineral Resources Management Division, CSLC <b>Capt. Tom Cullen</b> , Administrator, Office of Spill Prevention and Response (OSPR), California Department of Fish and Wildlife ♦ <b>Mick Langford</b> , Vice-President and General Manager, Trelleborg Marine Systems North America ♦ <b>Jennifer Lucchesi</b> , Executive Officer, CSLC
10:00 – 10:30 AM	NETWORKING BREAK (Coffee in the Exhibit Hall)
10:30 – 11:30 AM	KEYNOTE PRESENTATION, SALON C & D — <b>Betty T. Yee</b> , California State Controller, Chair, California State Lands Commission
11:30 AM – 1:00 PM	BUFFET LUNCH
1:00 – 3:00 PM	AFTERNOON BREAKOUT SESSIONS

BARCELONA / CASABLANCA		SALON C		SALON D		TOKYO / VANCOUVER	
1A	<b>Sea-Level Rise and Climate Change</b> Moderator: Jennifer Mattox, CSLC  <b>Rising Seas and Protecting the Public Trust</b> Jennifer Mattox, CSLC  <b>The Future is Here: Sustainability and Adaptation</b> Madeline Cavellier, California Coastal Commission  <b>Maritime Industry and the Resilient Port Challenge</b> Jason Giffen, Port of San Diego   <b>TBD</b> Karlene Roberts, Ph.D., University of California, Berkeley	2A	<b>MOTEMS Upgrades</b> Moderator: Justin Wood, P.E., CSLC  <b>Richmond Long Wharf Loading Arm Replacement Project – Building a Business Case for Investment</b> Jack Silva and Karen Boven, Chevron  <b>Richmond Long Wharf Loading Arm Replacement Project – Design and Execution Lessons Learned</b> Bipin Sircam and Anna Tsai, Chevron  <b>Concrete Damage Repairs of Existing Marine Terminal</b> Bernardo Waisman, P.E., COWI Marine  <b>Shell's Proposed New MOT at POLA</b> Heidi Goebel, P.E., AECOM	3A	<b>Abandoned and Derelict Vessels</b> Moderator: Judd Muskat, OSPR  <b>Abandoned and Derelict Vessels Overview: California's Jigsaw Puzzle</b> Steve Hampton, Ph.D., OSPR  <b>Abandoned and Derelict Vessels in Law: Legal Definitions, History, and the Present</b> Peter Pelkofer, CSLC  <b>Abandoned and Derelict Vessels in the Delta: Results of a Comprehensive Aerial Survey</b> Annie Daly, University of California, Santa Barbara  <b>Abandoned and Derelict Vessels Up Close: Issues on the Ground and in the Water</b> Mitch Goode, OSPR  <b>Abandoned and Derelict Vessel Programs: Some Solutions from Washington State</b> Troy Wood, Washington State Department of Natural Resources  <b>Abandoned and Derelict Vessel Removal: A Salvor's Perspective</b> Kyle Watson, Global Diving & Salvage, Inc.	4A	<b>The Evolution of the California Energy System and the Role of Technology</b> Moderators: Donald Paul, USC Energy Institute and Chris Fox, CSLC  <b>Advances in Emissions Control Technology for Marine Operations</b> Anoosheh Oskouian, Shore & Environmental Inc.  <b>TBD</b> Albert Williams, Chevron  <b>The Impact of Digital Transformation on Oil &amp; Gas Operations and HSE Performance</b> Donald Paul, USC Energy Institute  <b>California's Oilfield Technology Delivers Safe, Reliable, Native Production</b> Ester Brawley, California Resources Corporation
3:00 – 3:30 PM	NETWORKING BREAK	3:00 – 3:30 PM	NETWORKING BREAK	3:00 – 3:30 PM	NETWORKING BREAK	3:00 – 3:30 PM	NETWORKING BREAK
3:30 – 4:30 PM	AFTERNOON BREAKOUT SESSIONS, CONTINUED	3:30 – 4:30 PM	AFTERNOON BREAKOUT SESSIONS, CONTINUED	3:30 – 4:30 PM	AFTERNOON BREAKOUT SESSIONS, CONTINUED	3:30 – 4:30 PM	AFTERNOON BREAKOUT SESSIONS, CONTINUED
1B	<b>Reduction of Air Emissions in California's Ports</b> Moderator: Maren Farnum, CSLC  <b>Update on CARB's Marine Programs to Reduce Air Emissions</b> Ziv Long, California Air Resources Board   <b>San Pedro Bay Ports 2017 Clean Air Action Plan Update</b> Lisa Wunder, Port of Los Angeles; Morgan Caswell, Port of Long Beach	2B	<b>Standards for Design of Piers &amp; Wharves</b> Moderator: Alex Augustin, P.E., CSLC  <b>ASCE 61-19 – Seismic Design of Piers &amp; Wharves</b> Gayle S. Johnson, P.E., Simpson Gumpertz & Heger  <b>New ASCE Piers &amp; Wharves Standards</b> Omar Jaradat, Ph.D., P.E., Moffatt and Nichol	3B	<b>Emerging Technologies</b> Moderator: Greg McGowan, OSPR  <b>Emerging Technology and Maritime Piloting</b> Capt. John Betz, LA Pilots  <b>Dynamic Under Keel Clearance (UKC) Project for the Port of Long Beach</b> Capt. Kip Louttit, Marine Exchange of Southern California  <b>What's New Under the Sun?</b> Annie Nelson, OSPR	4B	<b>Renewable Energy Resources</b> Moderators: Shahed Meshkafi and Greg Pelka, CSLC <b>Biomass Power – Energy the Natural Way</b> Russell Huffman, Greenleaf Power <b>Geothermal Development in the 21st Century</b> Vince Signorotti, Energy Source  <b>Ensuring Compatibility with Current &amp; Emerging Renewable Energy Technologies and the Viability of the DoD Training and Testing Mission</b> Steve Chung, NRSW Regional CPLD, Department of the Navy  <b>Identification of Barriers and Implementation of the Renewable Energy Program in India</b> Shailendra Kumar Pokhriyal, UPES
4:30 – 6:30 PM	EVENING RECEPTION	4:30 – 6:30 PM	EVENING RECEPTION	4:30 – 6:30 PM	EVENING RECEPTION	4:30 – 6:30 PM	EVENING RECEPTION
7:30 – 8:30 AM	CONTINENTAL BREAKFAST	7:30 – 8:30 AM	CONTINENTAL BREAKFAST	7:30 – 8:30 AM	CONTINENTAL BREAKFAST	7:30 – 8:30 AM	CONTINENTAL BREAKFAST
8:30 – 10:00 AM	MORNING BREAKOUT SESSIONS	8:30 – 10:00 AM	MORNING BREAKOUT SESSIONS	8:30 – 10:00 AM	MORNING BREAKOUT SESSIONS	8:30 – 10:00 AM	MORNING BREAKOUT SESSIONS

Wednesday, September 26			
7:30 - 8:30 AM CONTINENTAL BREAKFAST			
8:30 - 10:00 AM MORNING BREAKOUT SESSIONS			
1C	Implementation of Ballast Water Discharge Standards Moderator: Nicole Dobroski, CSLC  Overview of the State Lands Commission's 2018 Report on Ballast Water Treatment Technologies Jonathan Thompson, CSLC  The Golden Bear Research Center: Insights into BWMS Type-Approval Testing Stephen Lioacono, Science Coordinator, California Maritime Academy  Shore-Based Ballast Water Treatment in California: Feasibility, Costs, and Next Steps TBD, Glosten Associates	2C	Bulkheads & Geotechnical Issues Moderator: Kendra C. Oliver, P.E., CSLC  ASCE Seismic Design of Bulkheads Pooja Jain, S.E., Moffatt and Nichol  Geotechnical Considerations for Piping Support Over Bulkheads Uday K. Patil, P.E., G.E., Globus Engineering  POSF Seawall Earthquake Safety & Disaster Prevention Program Rod K. Iwashita, P.E., Port of San Francisco
3C Cosco Busan 11 Years Later Moderator: Yvonne Addassi, OSPR  Cosco Busan 11 Years On: A Restoration Update Steve Hampton, Ph.D., OSPR  Volunteer Management: Making Strides in the Last 10 Years... Cindy Murphy, OSPR			
4C Offshore Facilities Decommissioning and Well Abandonment Moderators: Joseph Fabel and Bamdad Rassandana, CSLC  The Legal and Policy Challenges of Offshore Decommissioning in State Waters Seth Blackmon, CSLC  The Regulator's Point of View: Offshore Decommissioning in State Waters James Pierce, California Department of Conservation  Platform Holly Update for Decommissioning and Well Abandonment Preparations Ajibola Adeyeye, ExxonMobil  California Offshore Oil and Gas Facility Decommissioning Outlook and Challenges John Smith, Bureau of Ocean Energy Management, Pacific OCS Region (Retired)			
10:00 - 10:30 AM NETWORKING BREAK			
10:30 - 11:30 AM MORNING BREAKOUT SESSIONS, CONTINUED			
1D	Marine Invasive Species Program Updates Moderator: Nicole Dobroski, CSLC  Ballast Water and Biofouling Management by Vessel Arrivals at California Ports Lina Ceballos-Osuna, CSLC  Status and Trends of Biological Invasions in Coastal Marine Ecosystems of California Based on Recent Monitoring Steve Foss, OSPR  Biofouling Management Regulations at the One-Year Mark: What Have We Learned? Chris Scianni, CSLC	2D	Marine Terminal Regulations Moderator: Avinash Nafday, Ph.D., P.E., CSLC  MOTEMS Structural Damping Marc Percher, P.E., and Monica Maruri, P.E., Moffatt & Nichol  Nonstructural Components, Nonbuilding and Building Structures Rakesh K. Goel, Ph.D., P.E., California Polytechnic State University, San Luis Obispo  California Elder Pipeline Act, Updates Jim Hosler, Office of the State Fire Marshal, Pipeline Safety Division
3D Non-Floating Oil / Salvage Moderator: Jon Victoria, OSPR  Advancements in Non-Floating Oil Detection and Recovery Jim Elliott, T&T Marine Salvage, Inc.  Response to Non-Floating Oils in California Annie Nelson, OSPR  TBD Joe Walsh, Clyde & Co. US LLP			
4D Managing Well Abandonment and Facility Decommissioning Moderators: Matt Rezvani, CALSTAD and Steve Curran, CSLC  Becker Well Re-Abandonment Project, Summerland Beach, California Michael Giuliani, InterAct  Rincon Island Well Abandonment Mark LeClair, CSLC  Coastal Facilities Decommissioning Challenges - A Review of Recent Decommissioning Projects Mark Steffy, Longitude 123 Inc. and Simon Poulter, Padre Associates, Inc.			

11:30 AM – 1:00 PM	BUFFET LUNCH	11:30 AM – 1:00 PM	BUFFET LUNCH	11:30 AM – 1:00 PM	BUFFET LUNCH	11:30 AM – 1:00 PM	BUFFET LUNCH
1:00 – 3:00 PM	AFTERNOON BREAKOUT SESSIONS	1:00 – 3:00 PM	AFTERNOON BREAKOUT SESSIONS	1:00 – 3:00 PM	AFTERNOON BREAKOUT SESSIONS	1:00 – 3:00 PM	AFTERNOON BREAKOUT SESSIONS
1E	<b>Marine Invasive Species Funded Research</b> Moderator: Chris Scianni, CSLC  <b>Evaluating Lay-Up Times of Ships as a Risk Factor for Marine Invasions</b> Ian Davidson, Smithsonian Environmental Research Center  <b>Examining Trends in Vessel Movement and Characterizing the Microbiome of Arriving Ballast Water</b> Bill Gerhard, Ph.D. Candidate, Duke University  <b>Evaluations of In-Water Cleaning &amp; Capture Technologies: Facilitating Innovations in Environmental Protection &amp; Business Development</b> Mario Tamburri, Ph.D., University of Maryland Center for Environmental Science	2E	<b>Terminals and Marinas</b> Moderator: Helen Galope, P.E., CSLC  <b>MOTEMS Compliance for Multiuse Terminals</b> William Bruin, P.E., Simpson Gumpertz & Heger  <b>Upgrading an Existing Bulk Terminal for New Service</b> Jim Kearney, S.E., COWI Marine  <b>MOTEMS Inspections – Subsequent Audit Process</b> Anthony Mets, P.E., D. CE., and Scott Nordholm, P.E., AECOM  <b>Fragility of Small Craft Marinas Subject to Tsunami Currents</b> Marin L. Eskjikan, P.E., CSLC; Patrick J. Lynette, Ph.D. and Adam Keene, University of Southern California	3E	<b>Spill Management Team and Regulations Update</b> Moderator: Yvonne Addassi, OSPR  <b>A Review of OSPR's Unannounced Spill Management Team Drill Program</b> Cassidee Shinn, OSPR  <b>Marine &amp; Inland Regulations Update</b> Ryan Todd, OSPR	4E	<b>Advances in Process Safety Management / Pipeline Safety</b> Moderators: Vanessa Perez and Ricky Lee, CSLC <b>Introduction to Non-Destructive Testing Techniques and their Use in the Oil Field</b> Mike Williams, California Resources Corporation <b>Process Safety Management in Refineries</b> Clyde Trombetta, Cal/OSHA Process Safety Management Unit, State of California <b>Lessons Learned and Advances in Human Factors and Safety Culture in Process Safety Management (PSM) in the Energy Industry: From Up – To Downstream</b> Najmedin Meshkati, University of Southern California <b>Requirements for Hazardous Liquid Pipelines That Could Impact Environmental and Ecologically Sensitive Areas, Regulatory Update</b> Joshua Cleaver, California Department of Forestry and Fire Protection <b>Leading Health, Safety, and Environmental Indicators in the Oil Field</b> Nima Jabbar, University of Southern California
3:00 – 4:00 PM	DOOR PRIZE DRAWING IN TECHNOLOGY EXHIBITION AREA	3:00 – 4:00 PM	DOOR PRIZE DRAWING IN TECHNOLOGY EXHIBITION AREA	3:00 – 4:00 PM	DOOR PRIZE DRAWING IN TECHNOLOGY EXHIBITION AREA	3:00 – 4:00 PM	DOOR PRIZE DRAWING IN TECHNOLOGY EXHIBITION AREA